APPENDIX B
AEROSPACE VEHICLE MDS FOR GUIDED MISSILES, ROCKETS. PROBES, BOOSTERS. AND SATELLITES

A. SYMBOLS

The following list outlines the symbols used in guided missile, rocket, probe, booster, and satellite MDS designations. Figure B-1 shows a sample MDS. A description of each symbol can be found in the Joint Regulation (reference (b)).

status Prefix	Launch Environment	Mission	Vehicle Type
C Captive	A Air	C Transport	B Booster
D Dummy	B Multiple	D Decoy	M Guided Missile or Drone
J Special Test (Temporary)	C Coffin	E Electronic/ Communications	N Probe
M Maintenance	F Individual	G Surface Attack	R Rocket
N Special Test (Permanent)	G Runway	I Aerial/Space Intercept	S Satellite
X Experimental	H Silo Stored	L Launch Detection/ Surveillance	
Y Prototype	L Silo Launched	M Scientific/Calibration	
Z Planning	M Mobile	N Navigation	
	P Soft Pad	Q Drone	
	R Ship	S Space Support	
	S Space	T Training	
	U Underwater	U Underwater Attack	
		W Weather	

B. APPROVED GUIDED MISSILE. ROCKET AND PROBE DESIGNATORS

The list of approved MDS designations for all guided missiles, rockets and probes of direct interest to the Department of Defense starts at page B-3. These vehicles are listed sequentially by design number and alphabetically by series.

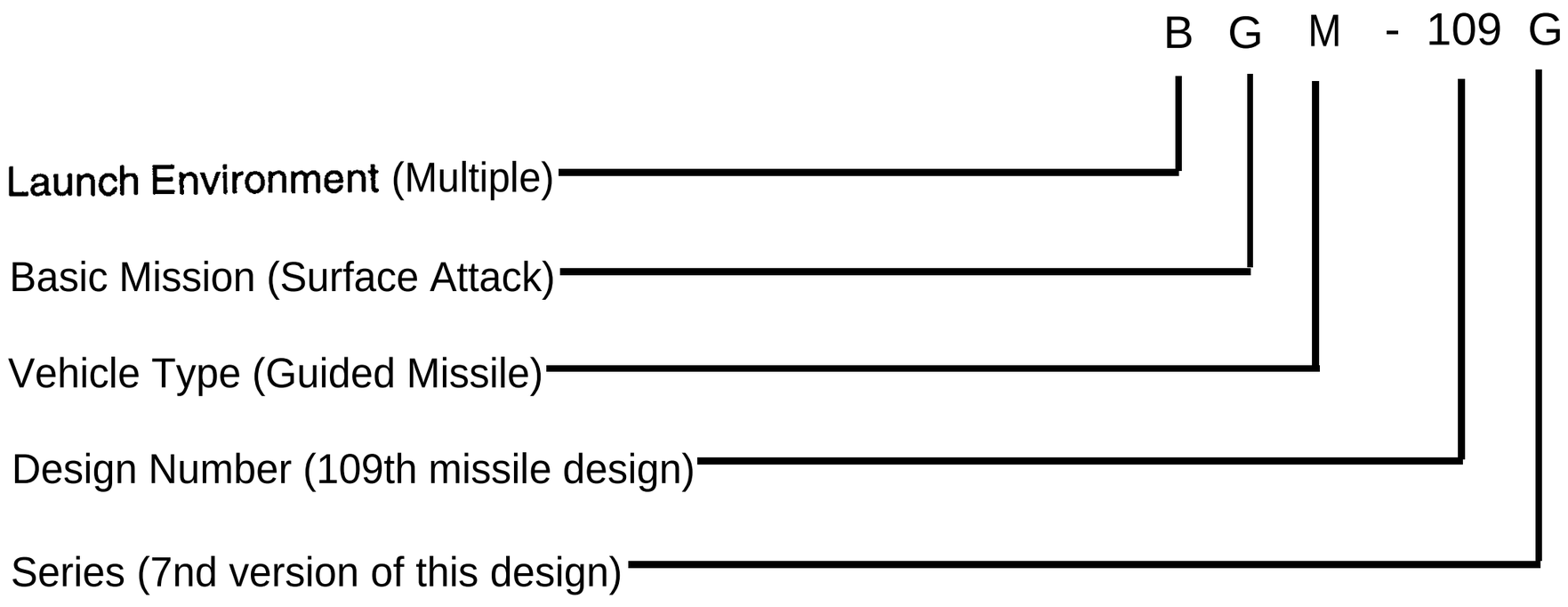

Figure B-1, Sample Missile MDS

BOOSTER SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
SB-2A	GENERAL DYNAMICS	AT LAS I I		AF	ONE AND ONE HALF STAGE, LIQUID ROCKET WITH PAYLOAO CAPABILITIES OF APPROXIMATELY 15,000 POUNDS LEO, 11,000 POUNDS PLEO, 6,500 POUNDS GEOSYNCHRONOUS TRANSFER ORBIT (GTO), ANO 3,100 POUNOS GEOSYNCHRONOUS ORBIT (GEO).
SB-3A	MCDONNELL DOUG LAS	DELTA 11		AF	FOUR STAGE, SOLID ANO LIQUID ROCKET COMBINATION WITH PAYLOAO CAPABILITIES OF APPROXIMATELY 11,520 POUNDS LEO, 8,795 POUNDS PLEO, AND 4,155 POUNOS GEO.
SB-4A	MARTIN MARIETTA	TITAN 11		AF	TWO STAGE, LIQUID ROCKET WITH PAYLOAD CAPABILITIES OF APPROXIMATEI.Y 5,000 POUNOS LEO, AND 4,200 POUNOS PLEO.
SB-5A	HART IN MARIETTA	TITAN IV		AF	THREE OR FOUR STAGE, SOLID ANO LIQUID ROCKET WITH PAYLOAO CAPABILITIES OF APPROXIMATELY 39,100-47,800 POUNDS LEO, 12,700 POUNDS GEO, 24,000 POUNDS GTO, AND 31,000-38,000 POUNDS PLEO, DEPENDING UPON BOOSTER AND UPPER STAGE.
SB-5B	LOCKHEED MARTIN	TITAN IV		AF	THREE OR FOUR STAGE, SOLID AND LIQUID ROCKET WITH PAYLOAO CAPABILITIES OF APPROXIMATELY 39,000-47,000 POUNOS LEO AND 5,000-12,000 GEO DEPENDING ON BOOSTER AND UPPER STAGE.
SB-6A	MART IN MARI ETTA	TITAN 34D		AF	THREE OR FOUR STAGE, SOLID ANO LIQUID ROCKET WITH PAYLOAD CAPABILITIES OF APPROXIMATELY 33,800 POUNDS LEO, AND 4,100 POUNDS GEO, DEPENDING UPON CONFIGURATION.
SSB-7A	BOEING	I us		AF	INERTIAL UPPER STAGE CAPABLE OF APPROXIMATELY 5,300 POUNOS GEOSYNCHRONOUS ORBIT, USED WITH TITAN IV.
SSB-8A	GENERAL DYNAMICS	CENTAR		AF	UPPER STAGE CAPABLE OF APPROXIMATELY 10,200 POUNOS GEOSYNCHRONOUS ORBIT, USED WITH TITAN IV.

BOOSTER SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
SSB-9A	MCDONNELL DOUGLAS	PAM D 11		AF	PAYLOAD ASSIST MODULE CAPABLE OF APPROXIMATELY 3,500 POUNDS OF GEOSYNCHRONOUS TRANSFER ORBIT' FROM DELTA OR SHUTTLE.
SSB-10A	MARTIN MARIETTA	TRANSTAGE		AF	UPPER STAGE (TRANSTAGE) CAPABLE OF APPROXIMATELY 4,100 POUNDS GEOSYNCHRONOUS ORBIT, USED WITH TITAN 340.
ASB-11A	ORBITAL SCIENCES HERCULES	PEGASUS	1 ROCKET MOTOR	AF	AIR-LAUNCHED, THREE-STAGE, SMALL BOOSTER WITH PAYLOAD CAPABILITIES OF APPROXIMATELY 1,000 POUNDS LEO, ANO 860 POUNDS PLEO.

MISSILE SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RIM-2A	GENERAL DYNAMICS	TERRIER		NAVY	SURFACE-TO-AI R WEAPON FOR SHIPBOARD USE. LAUNCHED BY SOLID FUEL ROCKET BOOSTER AND PROPELLED BY SOLID FUEL ROCKET SUSTAINER.
RIM-2B	GENERAL DYNAMICS	TERRIER		NAVY	IMPROVED RIM-2A.
RIM-2C	GENERAL DYNAMICS	TERRIER		NAVY	IMPROVED RI M-2B.
RIM-2D	GENERAL DYNAMICS	TERRIER		NAVY	IMPROVED RIM-2C.
RIM-2E	GENERAL DYNAMICS	TERRIER		NAVY	IMPROVED RI M-2D.
RIM-2F	GENERAL DYNAMICS	TERRIER		NAVY	IMPROVED RI M-2E.
AIM-4D	HUGHES	FALCON	1 M58A-2	AF	SUPERSONIC, AIR-TO-AIR, PASSIVE, INFRARED SEEKED, GUIDED MISSILES.
AIM-4F	HUGHES	FALCON	1 M46	AF	IMPROVED AI M-4D.
AIM-4G	HUGHES	FALCON	1 M46	AF	IMPROVED AI M-4F.
AIM-7D	RAYTHEON	SEA SPARROW	1 MK6 MOD 3	NAVY	SOLID FUEL, RAOAR HOMING, AIR-TO-AIR MISSILE.
AIM-7E	RAYTHEON	SEA SPARROW	1 MK38 OR MK52	NAVY	IMPROVED AI M-7D.

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
ATM-7E	RAYTHEON/ GENERAL DYNAMICS	SEA SPARROW	1 MK38	NAVY	TRAINING AIM-7E.
CAEM-7E	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 MK38	AF/NAVY	CATM-7F MODIFIED WITH ELECTRONIC MONITORING EQUIPMENT.
CATM-7E	RAYTH EON	SPARROW,		AF/ NAVY	CAPTIVE CARRY ATM-7E.
DATM-7E	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 MK38	NAVY	DUMMY ATM-7E.
AIM-7F	RAYTHEON	SPARROW	1 MK58 OR MK65	AF/NAVY	IMPROVED AIM-7E WITH SOLID STATE ELECTRONICS.
ATM-7F	RAYTHEON	SPARROW	1 MK58	AF/NAVY	TRAINING AI M-7F.
RIM-7F	RAYTHEON	SEA SPARROW	1 MK58 OR MK65	NAVY	SURFACE LAUNCHED VERSION OF AI M-7F.
CAEM-7F	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 INERT MK-58	AF/NAVY	CATM-7F MODIFIED WITH ELECTRONIC EQUIPMENT FOR ELECTRONIC RECORDING ANO SPARROW MISSILE PERFORMANCE EVALUATION.
CATM-7F	RAYTHEON	SPARROW		AF/NAVY	CAPTIVE CARRY ATM-7F.
DATM-7F	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 INERT MK-58	AF/ NAVY	DUMMY ATM-7F.
YRIM-7F	RAYTHEON	SEA SPARROW	1 MK58 OR MK65	NAVY	PROTOTYPE AI M-7F.
RIM-7H	RAYTHEON	SEA SPARROW	1 MK38 OR MK52	NAVY	SURFACE-TO-AIR VERSION OF AIM-7E. LAUNCHED BY SOLID PROPELLANT BOOSTER AND GUIDED TO TARGET BY SEMI-ACTIVE HOMING.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
YRI M-7H	RAYTHEON	SEA SPARROW	1 MK38 MOO O MK52 MOO 2	NAVY	PROTOTYPE RIM-7H.
AIM-7M	RAYTHEON	SPARROW	1 MK59 MOO O	AF/NAVY	UPGRADED AIM-7F.
ATM-7M	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 MK58	AF/NAVY	TRAINING AIM-7M.
RIM-7M	RAYTHEON	SEA SPARROW	1 MK58 MOD O	NAVY	MODIFIED SURFACE LAUNCHED VERSION OF AIM-7F.
CA EM-7M	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 MK58	AF/NAVY	CATM-7M MODIFIED WITH ELECTRONIC MONITORING EQUIPMENT.
CATM-7M	RAYTHEONI GENERAL DYNAMICS	SPARROW	1 MK58	AF/NAVY	CAPTIVE CARRY ATM-7M.
DATM-7M	RAYTH EON/ GENERAL DYNAMICS	SPARROW	1 MK58	AF/ NAVY	DUMMY ATM-7M.
Al M-7N	RAYTHEON	SPARROW	1 MK59 MOD O	NAVY	UPDATED AIM-7F USED WITH MULTI-STAGE IMPROVEMENT PROGRAM (MSIP) - MODIFIED F-15'S
AIM-7P	RAYTHEON	SPARROW	1 MK59 MOD O	NAVY	MODIFIED AIM-7M WITH IMPROVED ELECTRONIC COUNTER MEASURES. FUZE TARGET DETECTOR AND LOWER MINIMUM OPERATING ALTITUDE.
RIM-7P	RAYTHEON	SPARROW	1 MK58 MOD O	NAVY	RIM-7M MODIFIED TO INCLUDE IMPROVED ELECTRONIC COUNTERMEASURES, FUZE TARGET DETECTOR.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
AIM-7R	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 MK58 MOD 5	NAVY	MODIFIED AIM-7 WITH DUAL SEEKER MODES AND TERMINAL HOMING.
RIM-7R	RAYTHEON/ GENERAL DYNAMICS	SPARROW	1 MK58 MOD 4	NAVY	MODIFIED AIM-7 WITH OUAL SEEKER MODES ANO TERMINAL HOMING, SHIP LAUNCHED.
RGM-8H	BENDIX	TALOS	1 MK11 MOO 2/5	NAVY	RIM-8G WITH TERMINAL GUIDANCE SYSTEM.
RI M-8H	BENDIX	TALOS	1 MK1 1 MOO 2/5	NAVY	LONG-RANGE, SURFACE-TO-AIR, TWO-STAGE, SUPERSONIC MISSILE WITH TERMINAL GUI DANCE SYSTEM.
AIM-9B	PHI LCO & GEN ELECTRIC	SIDEWINDER	1 MK17	NAVY	SUPERSONIC, AIR-TO-AIR, HOMING WEAPON WITH PASSIVE INFRARED TARGET DETECTION.
AIM-9D	PHI LCO & RAYTHEON	SIDEWINDER	1 MK36	NAVY	UPGRADED AI M-9B.
ATM-90	PHI LCO & RAYTHEON	SIDEWINDER	1 MK36	NAVY	AIM-90 USED FOR CAPTIVE FLIGHT TARGET ACQUISITION TRAINING.
AIM-9E	PHILCO	SIDEWINDER	1 MK17	AF	UPGRADED AI M-9B MODIFI ED TO EXTEND PERFORMANCE ENVELOPE.
AI M-9G	RAYTHEON	SIDEWINDER	1 MK36	NAVY	UPGRADED AI M-90 WITH SIDEWINDER EXPANDED ACQUISITION MOOE (SEAM) .
ATM-9G	RAYTHEON	SIDEWINDER	1 MK36	NAVY	AIM-9G USED FOR CAPTIVE FLIGHT TARGET ACQUISITION TRAINING.
AIM-9H	RAYTHEON (GCG ONLY)	SIDEWINDER	1 MK36	NAVY	UPGRADED AIM-9G WITH SOLID STATE GUIDANCE CONTROL.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
AIM-9J	PHILCO	SIDEWINDER	1 MK17	AF	UPGRADED AI M-9E.
ZAIM-9K	RAYTHEON	SIDEWINDER	1 MK36	NAVY	UPGRADED AIM-9H.
AIM-9L	RAYTHEON	SIDEWINDER	1 MK36	AF/NAVY	UPGRADED AIM-9H WITH COOLED SEEKER FOR INCREASED ENGAGEMENT ENVELOPE.
DATM-9L	FORO RAYTHEON	SIDEWINDER	1 MK57 (INERT)	NAVY/AF	USED TO TRAIN GROUND PERSONNEL IN MISSILE ASSEMBLY, DISASSEMBLY, LOADING, TRANSPORTATION, ANO STORAGE PROCEDURES ANO TECHNIQUES.
AIM-9M	RAYTHEON	SIDEWINDER	1 MK36	AF/NAVY	UPGRADED AI M-9L.
CATM-9M	FORD RAYTHEON	SIDEWINDER	1 MK57 (INERT)	NAVY/AF	USED FOR PILOT TRAINING IN AERIAL TARGET ACQUISITION ANO USE OF AIRCRAFT CONTROLS/DISPLAYS.
NATM-9M	FORD RAYTHEON	SIDEWINDER	1 MK36	NAVY/AF	PERMANENT TEST MISSILE. AI M-9 MODI FIED BY REPLACING LIVE TEST WARHEAD AND/OR TELEMETRY SECTION.
AIM-9N	RAYTHEON	SIDEWINDER	1 MK36	AF	UPGRADED AIM-9J .
AIM-9P	RAYTHEON	SIDEWINDER	1 MK36	AF	UPGRAOEO AI M-9J .
AIM-9Q	RAYTHEON	SIDEWINDER	1 MK 36 MOO 8/ MOD 10	NAVY	AIM-9M MODIFIED WITH UPGRADED GUIDANCE-CONTROL SECTION.
AIM-9R	RAYTHEON	SIDEWINDER	1 MK36	NAVY	IMPROVED HEAD-ON ACQUISITION RANGE ANO COUNTER-COUNTERMEASURES (CCM) CAPABILITY .

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AIM-9S	RAYTHEON	SIDEWINDER	1 MK36 MOD8/MOD1 0	NAVY	MOO I FI EO AI M-9M WITH THE COUNTER-COUNTERMEASURES (CCM) EQUIPMENT REMOVED FROM THE GUIDANCE CONTROL SECTION. USED FOR FMS .
CQM-10B	BOEING	BOMARC	3 1 M51 AND 2 RJ-43-MA-11	AF/NAVY	SURFACE-TO-AIR, LONG-RANGE, AREA DEFENSE MISSILE CONFIGURED AS ORONE.
AGM-12A	MARTIN & MAXSON	BUL LPUP	1 MK8	NAVY	AIR-TO-SURFACE, TACTICAL, GUIDED MISS I LE.
ATM- 12A	MARTIN	BULLPUP TRAINER	1 MK8	NAVY	TRAINER VERSION OF AGM-12A.
AGM-12B	MARTIN & MAXSON	BULL PUP	1 LR-58-RM-4 MK8	NAVY	UPGRADED AGM-12A. RADIO-LINK COMMAND GUIDANCE.
ATM-1 2B	MAXSON	BULLPUP TRAINER	1 MK8	NAVY	TRAINER VERSION OF AGM-12B.
AGM-12C	MARTIN	BULLPUP	1 LR-62-RM-2/-4	NAVY	UPGRADED AGM-1 2B.
MIM-14A	MCDONNELL DOUGLAS	NIKE HERCULES	1 M-30	ARMY	HIGH ALTITUDE, AIR DEFENSE MISSILE CAPABLE OF SURFACE-TO-AI R ANO SURFACE-TO-SURFACE MISSIONS.
MI M-14B	MCDONNELL DOUGLAS	NIKE HERCULES	1 M-30A-1	ARMY	UPGRADED MIM-14A.
MIM-14C	MCDONNELL DOUGLAS	NIKE HERCULES	1 M-30A-2	ARMY	UPGRADED MI M-14B.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RGM-15A	LTV AEROSPACE	REGULUS II		NAVY	NONE.
XMIM-23A	RAYTHEON	HAWK	1 XM-112	ARMY	PROTOTYPE MIM-23.
MIM-23B	USAMICOM	HAWK	1 XM-112	NAVY I ARMY	UPGRADED MI M-23A.
XMEM-23B	USAMI COM	HAWK	1 XM-112	ARMY	FULL TELEMETRY VERSION OF MIM-23B.
XMTM-23B	USAMICOM	HAWK	1 XM-112	ARMY	MIM-23B USED TO TRAIN BATTERY PERSONNEL,
MEM-23c	RAYTHEON	HAWK	1 XM-112	ARMY	FULL TELEMETRY VERSION OF MIM-23C.
MI M-23C	RAYTHEON	HAWK	1 XM-112	ARMY	UPGRADED MI M-23B.
MEM-23D	RAYTHEON	HAWK	1 XM-112	ARMY	MEM-23C WITH IMPROVED GUI DANCE IN A MULTI-JAMMING ENVIRONMENT .
MI M-23D	RAYTHEON	HAWK	XM-112	ARMY	UPGRADED MIM-23C.
MEM-23E	RAYTHEON	HAWK	1 XM-112	ARMY	MEM-23D MODIFIED WITH NEW BOOY SECTION ASSEMBLY.
MIM-23E	RAYTHEON	HAWK	1 XM-112	ARMY	MI M-23C WITH IMPROVED GUIDANCE IN A MULTI-JAMMING ENVIRONMENT.
MEM-23 F	RAYTHEON	HAWK	1 XM-112	ARMY	MEM-23E MODIFIED WITH FUZE DELAY CIRCUIT AND INCREASED WARHEAO FRAGMENTATION SIZE.
MI M-23F	RAYTHEON	HAWK	1 XM-112	ARMY	MIM-23D WITH IMPROVED GUIDANCE IN A MULTI-JAMMING ENVIRONMENT .

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
MIM-23G	RAYTHEON	HAWK	1 XM-112	ARMY	MI M-23E MODIFIED WITH NEW BODY SECTION ASSEMBLY.
MIM-23H	RAYTH EON	HAWK	1 XM-112	ARMY	MIM-23F MODIFIED WITH NEW BODY SECT ION' ASSEMBLY.
MIM-23J	RAYTH EON	HAWK	1 XM-112	ARMY	MIM-23H MODIFIED WITH FUZE DELAY CIRCUIT AND INCREASED WARHEAD FRAGMENTATION SIZE.
MIM-23K	RAYTH EON	HAWK	1 XM-112	ARMY	MIM-23G MODIFIED WITH FUZE DELAY CIRCUIT AND INCREASED WARHEAD FRAGMENTATION SIZE.
MI M-23L	RAYTHEON	HAWK		ARMY	MIM-23G MODIFIED WITH A FUZE DELAY CIRCUIT.
MIM-23M	RAYTHEON	HAWK		ARMY	MIM-23H MODIFIED WITH A FUZE DELAY CIRCUIT.
RIM-24A	GENERAL DYNAMICS	TARTAR	1 MK27 MOD 2	NAVY	SURFACE-TO-AIR SHIP BORNE MISSILE. LAUNCHED BY SOLID PROPELLANT ROCKET INTO CONTINUOUS WAVE ILLUMINATOR BEAM. DIRECTED TO TARGET BY SEMIACTIVE HOMING SYSTEM.
RIM-24B	GENERAL DYNAMICS	TARTAR	1 MK27 MOD 2	NAVY	UPGRADED RIM-24A,
RIM-24C	GENERAL DYNAMICS	TARTAR		NAVY	UPGRADED RIM-24B.
LGM-25C	MART IN	TITAN 11	2	AF	INERTIALLY GUIDED, LIQUID PROPELLANT, 2-STAGE ICBM.
UGM-27A	LOCKHEED	POLARIS		NAVY	3-STAGE, INERTIALLY GUIDED, SOLID PROPELLANT SLBM.
UGM-27B	LOCKHEED	POLARIS	2 A-2P	NAVY	IMPROVED UGM-27A.

MISSILE SERIES (CONTINUED)

MOS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
UGM-27C	LOCKHEED	POLARIS	2 A-3P	NAVY	IMPROVED UGM-27B.
AGM-28B	NORTH AMERICAN ROCKWELL	HOUND DOG	1 J52-P-3	AF	SUPERSONIC, JET PROPELLEO, AIR-TO-SURFACE, INERTIALLY GUIDED, STANDOFF STRATEGIC MISSILE.
MGM-29A	USAMI COM	SERGEANT	1 M100	ARMY	FIELD ARTILLERY, INERTIAL-GUIDANCE MISSILE.
LGM-30B	BOEING	MINUTEMAN II	3 61-KS, M55AI 60-KS M56AI 48-DS, M57AI	AF	SOLID-FUEL, 3-STAGE ICBM IN HARDENED UNDERGROUND SILOS (INERTIAL-GUIDANCE SYSTEM).
LGM-30F	BOEING	MINUTEMAN II	1 M55E	AF	UPGRADED LGM-30B WITH MORE SOPHISTICATED GUIDANCE SYSTEM AND LONGER RANGE.
LGM-30G	BOEING	MINUTEMAN III	1 M55E	AF	UPGRADED LGM-30F WITH MIRV WARHEAD.
XMGM-31A	MARTI N	PERSHING	2 XM-101	ARMY	FIELD ARTILLERY, SURFACE-TO-SURFACE, 2 STAGE, SOLID PROPELLANT, INERTIALLY GUIDED MISSILE.
MQM-33A	NORTHROP VENTURA	NONE	1 0-loo-2	ARMY	RADIO CONTROLLED, HIGH-WING, MONOPLANE TARGET MISSILE (RECOVERABLE E).
MQM-33B	NORTHROP VENTURA	NONE	1 l-loo-2	ARMY	UPGRADED MQM-33A USING A DIRECT COMMAND GUIDANCE SYSTEM.
MQM-33C	NORTHROP VENTURA	NONE	1 0-loo-2	ARMY	UPGRADED MQM-33B.
MQM-33D	NORTHROP VENTURA	NONE	1 0-loo-2	ARMY	UPGRADED MQM-33C.

MISSILE SERIES (CONTI NUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
BQM-34A	RYAN	FIREBEE	1 J69-T-29	AF	RECOVERABLE, AIR OR GROUND LAUNCHED, RADIO- COMMAND-GUI DED TARGET ORONE.
MQM-34D	RYAN	FIREBEE	2 J85-7	ARMY	RYAN MODEL 124-E TURBOJET TARGET GUIDED MISS I LE.
BQM-34E	RYAN	FIREBEE	1 YF-69-T-406	NAVY	NAVY VERSION OF BQM-34A.
BQM-34F	RYAN	FIREBEE	1 YF-69-T-406	AF	USAF VERSION OF BQM-34E.
AQM-34L	RYAN	FIREBEE	1 J69-T-41A	AF	UPGRADED BQM-34A.
AQM-34M	RYAN	FIREBEE	1 J69-5-41A	AF	UPGRAOED BQM-34A.
ARM-34P	RYAN	FIREBEE	1 J100-CA-100	AF	UPGRADED BQM-34A.
AQM-34R	RYAN	FIREBEE	1 J100-CA-100	AF	UPGRADED BQM-34A.
BQM-34S	RYAN	FIREBEE	1 YJ-69T-406	NAVY	UPGRADED BQM-34E WITH INTEGRATED TARGET CONTROL SYSTEM AN/USQ-3 (NA-70-1495) ,
BQM-34T	RYAN	FIREBEE	1 YJ-69T-406	NAVY	BQM-34E MOO I FI EO WITH TRANSPONDER SET AN/ DKW-1 ANO AUTOPI LOT A/ A37-G-9 .
AQM-34V	RYAN	FIREBEE	1 J69-T-29A	AF	MODIFIED AQM-34H/J WITH ECM ANO GROUND/AI R LAUNCH CAPABILITY ,
MQM-36A	NORTHROP VENTURA	NON E	1 0-loo-2	NAVY	SMALL PROPELLER DRIVER TARGET ORONE.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AQM-37A	BEECH	NONE	1 LR64-NA-4	NAVY	AIR- LAUNCHED TARGET EMPLOYING LIQUID PROPELLANT MOTOR ANO PROGRAMMED GUIDANCE.
AQM-37C	BEECH	NONE	1 LR64-NA-4	NAVY	UPGRADED AQM-37A.
AQM-37D	BEECH	NONE	1 LR64-NA-4	NAVY	AQM-37C MODIFIED TO REPLACE OBSOLETE COMPONENTS INCLUDING A NEW BATTERY, GYROS, DIGITAL AVIONICS PROCESSOR, AND RADAR AUGMENTATION SUITE.
FIM-43A	USAMICOM	REDEYE	1 M99	ARMY	ANTI-AIRCRAFT MISSILE USING INFRARED SEEKER AND ELECTROMECHANICAL GUIDANCE DEVICE.
FEM-43B	USAMI COM	REDEYE	1 M-11O	ARMY	FIM-43B MODIFIED TO TRANSMIT SIGNALS USED BY GROUND UNIT TO INTERPRET MISSILE FUNCTION.
FIM-43B	USAMICOM	REDEYE	1 M-no	ARMY	UPGRADED FIM-43A.
FEM-43C	USAMICOM	REDEYE	1 M-115	ARMY	UPGRAOED FEM-43B WITH NEW LAUNCHER AND TEST EQUIPMENT.
FIM-43C	USAMICOM	REOEYE	1 M-115	ARMY	UPGRADED FIM-43B WITH NEW LAUNCHER AND TEST EQUIPMENT.
FIM-43D	USAMICOM	REDEY E	1 M-115	ARMY	UPGRADED FIM-43C.
UUM-44A	GOODY EAR	SUBROC		NAVY	NONE.
AGM-45A	TEXAS INSTRUMENT & UNIVAC	SHRIKE	1 MK39 OR MK53	AF/NAVY	AIR-TO-SURFACE TACTICAL MISSILE USED TO DESTROY RADIATION TARGETS.
AGM-45B	TEXAS INSTRUMENT & UNIVAC	SHRIKE	1 MK78	AF/NAVY	UPGRADED AGM-45A.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
ATM-45B	TEXAS INSTRUMENT	SHRIKE	1 MK78	A F/ NAVY	TRAINING AGM-45A.
KM-51A	USAMICOM	SHILLELAGH	1 MK78	ARMY	DIRECT FIRE, LINE-OF-SIGHT GUIDED MISSILE WITH SOLID PROPELLANTS ANO SHAPED CHARGE, HIGH EXPLOSIVE WARHEAD.
MTM-51A	USAMI COM	SHILLELAGH	1 MK78	ARMY	TRAINING MGM-51A.
MGM-51 B	USAMI COM	SHILLELAGH	1 MK78	ARMY	UPGRADED MGM-51A.
MTM-51 B	USAMI COM	SHILLELAGH	1 MK78	ARMY	TRAINING MGM-51B.
MGM-51 C	USAMICOM	SHILLELAGH	1 MK78	ARMY	MGM-51B WITH SHALLOW WARHEAO INDEX KEY TO BE FIRED FROM SHALLOW KEY GUN LAUNCHER.
MTM-51 C	USAMI COM	SHILLELAGH	1 MK78	ARMY	TRAINING MI M-51B.
MGM-52B	USAMICOM	LANCE	2 T22	ARMY	CLASSIFIED MISSILE.
MGM-52C	USAMICOM	LANCE	2 T22	ARMY	UPGRADED MGM-52B.
AGM-53A	NORTH AMERI CAN ROCKWELL	CONDOR	1 MK70	NAVY	LONG RANGE, ELECTRO-OPTICAL GUIDED MISSILE.
AGM-53B	NORTH AMERI CAN ROCKWELL	CONDOR	1 MK70	NAVY	UPGRADED AGM-53A WITH ELECTROMAGNETIC INTERFERENCE (EMI) CAPABILITY.
AEM-54A	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	AIM-54A WITH INERT PROPULSION ANO ARMAMENT SECTIONS AND TELEMETRY EVALUATION KIT. USED AS CAPTIVE/CARRY MISSILE.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AIM-54A	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	LONG-RANGE, TACTICAL, AIR-TO-AIR MISSILE.
ATM-54A	NOVORDSTA	PHOENIX	1 MK47 OR MK60	NAVY	DUMMY AIM-54A.
AEM-54B	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	AIM-54A WITH INERT ARMAMENT SECTION AND TELEMETRY EQUIPMENT. USED FOR MISSILE FLIGHT EVALUATION.
ATM-54B	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	TRAINING AIM-54A,
AIM-54C	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	UPGRADED AIM-54A.
XAIM-54C	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	EXPERI MENTAL VERSION OF THE AIM-54C WITH DIGITAL TECHNOLOGY.
YAIM-54C	HUGHES	PHOENIX	1 MK47 OR MK60	NAVY	PROTOTYPE AIM-54C.
RIM-55A	BENDIX	TYPHON (MR)		NAVY	NONE.
ZRGM-59A	TBD	NON E		NAVY	SHIP- LAUNCHED, ROCKET-PROPELLED, SURFACE-TO-SURFACE, GUIDED MISSILE FOR AMPHIBIOUS OPERATIONS SUPPORT (LANDING FORCE SUPPORT WEAPON) .
MQM-61A	BEECH	CARDINAL	1 TC-6150-J-3	ARMY	PROPELLER-DRIVEN, GUIDED MISSILE.
AGM-65A	HUGHES	MAVERICK	1 SR-109-TC-1	AF	AIR-TO-SURFACE, TV-GUIDED TACTICAL MISSI LE.
AGM-65B	HUGHES	MAVERI CK	1 SR-109-TC-1	AF	UPGRADED AGM-65A WITH VIEW MAGNIFICATION.
AGM-65D	HUGHES	MAVERICK	1 SR-109-TC-1	AF	UPGRADED AGM-65B WITH IN FRARED HOMING GUI OANCE SYST EM.

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AGM-65E	HUGHES	MAVERICK	1 SR-109-TC-1	NAVY	NAVY VERSION OF AGM-65.
AGM-65F	HUGHES	MAVERICK	1 SR-109-TC-1	NAVY	AGM-65D MODIFI EO WITH MAVERICK ALTERNATE WARHEAO AND REDUCED SMOKE ROCKET MOTOR.
CATM-65 F	HUGHES	MAVERICK	1 SR-114-TC-1	NAVY	CAPTIVE/CARRY TRAINING VERSION OF AGM-65F.
AGM-65G	HUGHES	MAVERICK	1 SR-109-TC-I	NAVY	AGM-65F WITH UNIQUE EMBEDDED SOFTWARE ANO NO SAFETY AND ARMING DEVICE.
AGM-65H	HUGHES	MAVERICK	1 SR-109-TC-1	AF	AGM-65 WITH UPGRADED TELEVISION GUIDANCE CAPABILITY.
YRIM-66A	GENERAL DYNAMI CS	STANOARO	1 MK27 MOO O	NAVY	SUPERSONIC, SURFACE-TO-AIR AND SURFACE-TO-SURFACE WEAPON FOR SHIPBOARD USE, OUAL THRUST, SOLID PROPELLANT MOTOR. CONTINUOUS WAVE SEMIACTIVE HOMING SYSTEM. PROTOTYPE.
RIM-66B	GENERAL DYNAMICS	STANDARD	1 MK56 MOD O	NAVY	PRODUCT ION YR1 M-66A.
RI M-66C	GENERAL DYNAMI CS	STANDARD	1 MK56 MOO O	NAVY	UPGRAOEO RI M-66B AOAPTEO TO AEGIS MISSILE SYSTEM.
RGM-66D	GENERAL DYNAMICS	STANOARD	1 MK56 MOD O	NAVY	RI M-66B MODI FI EO AS SURFACE-TO-SURFACE, ANTI-RADIATION MISSILE.
RTM-66D	GENERAL DYNAMICS	STANOARD	1 MK56 MOD O	NAVY	TRAINING RGM-66D.
RGM-66E	GENERAL DYNAMICS	STANDARD	1 MK56 MOD O	NAVY	RGM-66D ADAPTED TO ASROC LAUNCHER,

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RIM-66E	GENERAL DYNAMICS	STANDARD	1 MK56 MOD O	NAVY	SURFACE-TO-AIR GUIDED MISSILE FOR SHIPBOARD OEFENSE. ALL ELECTRIC WITH SEMI-ACTIVE HOMING GUIDANCE.
RI M-66G	GENERAL DYNAMICS	STANDARD	1 MK-104 MOD O	NAVY	RI M-66C MODIFI ED WITH IMPROVED GUIDANCE SECTION, TELEMETER UNIT, AND ROCKET MOTOR.
RI M-66H	GENERAL DYNAMICS	STANOARO	1 MK- 104 MOO O	NAVY	RI M-66G WITH MK51 MOD O CONTROL FIN SET.
RI M-66J	GENERAL DYNAMICS	STANDARO	1 MK- 104 MOD O	NAVY	RIM-660 MODIFIED WITH IMPROVED GUIDANCE SECTION, TELEMETER UNIT, AND ROCKET MOTOR.
RI M-66K	GENERAL DYNAMICS RAYTHEON		1 MK 104 MOO 1	NAVY	RI M-66J MODI FI ED WITH IMPROVED TARGET DETECTION LOGIC. RAIL LAUNCHED SHIPBOARD OEFENSE MISSILE.
RI M-66L	GENERAL DYNAMICS RAYTHEON	STANDARO	1 MK 104 MOO 1	NAVY	RI M-66G MODIFIED WITH IMPROVED DETECTION LOGIC, IMPROVED GUIDANCE FOR LOW LEVEL PERFORMANCE, AND SHROUD ASSEMBLY.
RI M-66M	GENERAL DYNAMICS RAYTHEON	STANDARO	1 MK 104 MOD 1	NAVY	RI M-66H MODIFIED WITH IMPROVED DETECTION LOGIC, GUI DANCE, AND SHROUD ASSEMBLY.
YRIM-67A	GENERAL DYNAMICS	STANDARD	2 SUST MK30 MOD 1 BSTR MK-12 MOD 1	NAVY	SURFACE-TO-AIR AND SURFACE-TO-SURFACE WEAPON FOR SHIPBOARD USE. 2-STAGE SOLID PROPELLANT ACTIVE HOMING SYSTEM, PROTOTYPE.
YRQM-67A	HUGHES	STANDARO	N/A	NAVY	PROTOTYPE SHIP-LAUNCHED TARGET FLYING PRE-PROGRAMMED TRAJECTORY .
RI M-67B	GENERAL DYNAMICS	STANDARD	2 SOLID	NAVY	SHIPBOARD SURFACE-TO-AIR AND SURFACE-TO-SURFACE WEAPON WHICH EMPLOYS MIDCOURSE COMMANO POINT GUIDANCE AND TERMINAL SEMI-ACTIVE OR PASSING HOMING,

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RIM-67C	GENERAL DYNAMICS	STANDARD	2 SOLID	NAVY	RIM-67B MODIFIED WITH IMPROVED GUIDANCE AND TARGET DETECTING SHROUD.
RIM-67D	GENERAL DYNAMICS	STANDARD	2 SOLID	NAVY	A RAIL LAUNCHED VERSION OF THE RIM-67 WITH IMPROVED GUIDANCE AND AUTOPILOT BATTERY SECTION.
AGM-69A	BOEING	SRAM	1 XSR-75-LP-1	AF	SHORT RANGE, AIR-TO-SURFACE, ATTACK MISSILE SRAM).
AGM-69B	BOEING	SRAM	1 XSR-75-LP-1	AF	UPGRADED AGM-69A.
BGM-71A	HUGHES	TOW	1 SUSTAINER BOOSTER M-114	ARMY	AERODYNAMICALLY MANEUVERED, TUBE-LAUNCHED, OPTICALLY-TRACKED, WIRE COMMAND LINK, SURFACE ATTACK, GUIDED MISSILE.
BTM-71A	HUGHES	TOW	SUSTAINER BOOSTER M-114	ARMY	TRAINING BGM-71A.
BGM-71B	HUGHES	TOW	SUSTAINER BOOSTER M-114	ARMY	UPGRADED BGM-71A.
BTM-71B	USAMICOM	TOW	SUSTAINER BOOSTER M-114	ARMY	TRAINING BGM-71B.
BGM-71C	HUGHES	TOW	SUSTAINER BOOSTER M-114	ARMY	UPGRADED BGM-71B. IMPROVED WARHEAD WITH CONTACT ACT VATED PROBE.
BGM-71D	HUGHES	TOW	SUSTAINER BOOSTER M-114	ARMY	UPGRADED BGM-71C.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
BGM-71 E	HUGHES	TOW	1 SUSTAINER BOOSTER M-114	ARMY	IMPROVED WARHEAD CAPABILITY OVER BGM-71D.
BGM-71 F	USAMICOM	TOW	1 SUSTAINER BOOSTER M114	ARMY	BGM-71E WITH IMPROVED WARHEAD.
BGM-71G	HUGHES	TOW	1 SUSTAINER BOOSTER M-114	ARMY	IMPROVED WARHEAD CAPABILITY OVER BGM-71F (ARMOR PIERCING WARHEAD) .
MI M-72A	USAMICOM	CHAPARRAL	1 MK50 MOO O	ARMY	SUPERSONIC, IR SEEKER MISSILE USED TO ATTACK LOW-FLYING TARGET .
MI M-72B	USAMICOM	CHAPARRAL	1 MK50 MOD O	ARMY "	UPGRADED MI M-72A.
MI M-72C	USAMICOM	CHAPARRAL	1 MK50 MOD O	ARMY	UPGRADED MI M-72B.
XMIM-72D	USAMICOM	CHAPARRAL	1 MK50 MOD O	ARMY	UPGRADED MI M-72C. IMPROVED WARHEAD AND DIRECTIONAL DOPPLER FUSE. EXPERIMENTAL.
MI M-72E	USAMI COM	CHAPARRAL	1 MK50 MOD O	ARMY	UPGRADED MI M-72D.
MI M-72F	USAMICOM	CHAPARRAL	1 MK50 MOD O	ARMY	UPGRADED MI M-72E.
MI M-72G	FORD AEROSPACE	CHAPARRAL	1 M-121	ARMY	SIMILAR TO MIM-72C WITH AN/DAW-2 GUIDANCE SECTION.
MI M-72H	FORD AEROSPACE	CHAPARRAL	1 M-121	ARMY	UPGRADED MI M-72F.
MI M-72J	LORAL	CHAPARRAL	1 M-121	ARMY	SIMILAR TO MIM-72G WITH REDUCED CAPABILITY GUIDANCE AND CONTROL SYSTEM FOR EXPORT .

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
ZUGM-73A	LOCKHEED	NON E	2	NAVY	INERTIALLY GUIDED, SOLID PROPELLANT SLBM. REFERRED TO UNOFFICIALLY AS POSEIDON.
MQM-74A	NORTHROP	NONE	1 YF-400-WR-400	NAVY	RECOVERABLE, REMOTELY CONTROLLEO, GUNNERY TARGET LAUNCHED BY JATO FROM SHIP ANO SHORE BASED LAUNCHER.
MQM-74B	NORTHROP	NON E	1 YJ-400-WR-40	NAVY	UPGRADED MQM-74A.
BQM-74C	NORTHROP	NONE	1 YJ400-wR402	NAVY	MQM-74C MODIFIED FOR SURFACE AND AIR LAUNCH CAPABILITY.
MQM-74C	NORTHROP	NON E	1 WR-24-7	NAVY	UPGRADED MQM-74B.
BQM-74D	NORTHROP	NONE	1 WR-24-7	ARMY	MQM-74C MODIFIED FOR LAND OR WATER RECOVERY, PRECISION NAVIGATION AND SENSORS FOR TARGET ACQUISITION AND BATTLEFIELD SURVEILLANCE.
BQM-74 E	NORTHROP	NONE	1 J400-WR-404 TURBOJET	NAVY	SUBSCALE, SUBSONIC AERIAL TARGET DRONE WHICH CAN BE SURFACE OR AIR LAUNCH EO, RECOVEREO ON LAND OR WATER, AND IS CONTROLLED FROM THE GROUND OR IS PREPROGRAMMED.
AGM-78A	GENERAL DYNAMICS	STANDARD ARM	1 MK27 MOD 4	N A V Y	TACTICAL, ANT I-RADIATION MISSILE WITH SMOKE DEVICE.
ATM-78A	GENERAL DYNAMICS	STANDARD ARM		NAVY	TRAINING AGM-78A.
AGM-78B	GENERAL DYNAMICS	STANDARD ARM	1 MK27 MOD 4	NAVY	UPGRADED AGM-78A.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
ATM-78B	GENERAL DYNAMICS	STANDARD ARM	1 MK27 MOO 2/3	NAVY	TRAINING AGM-78B USEO FOR CAPTIVE FLIGHT ANO CLASSROOM INSTRUCT ION.
AGM-78C	GENERAL DYNAMICS	STANDARD ARM	1 MK27 MOO 4	AF/NAVY	UPGRADED AGM-78C.
ATM-78C	GENERAL DYNAMICS	STANDARD ARM	1 MK69 MOO O	AF/NAVY	TYPE 111 TRAINING AGM-78C USEO FOR CAPTIVE FLIGHT ANO CLASSROOM TRAINING.
AGM-78D	GENERAL DYNAMICS	STANDARD ARM	1 MK69 MOD O	AF/NAVY	UPGRADED AGM-78C.
ATM-78D	GENERAL DYNAMICS	STANDARD ARM	1 MK69 MOO O	NAVY	TYPE I I I TRAINING AGM-78D FOR CAPTIVE FLIGHT ANO CLASSROOM TRAINING.
XAQM-81 A	BEECH	FIREBOLT	1	AF	SUPERSONIC, HIGH ALTITUDE, TARGET MISSILE USEO WITH F-4C AIRCRAFT.
AQM-81 B	TELEOYNE RYAN	FIREBOLT	1	NAVY	AQM-81 A MOO I FI ED WITH NAVY I NT EGRATEO TARGET CONTROL SYSTEM ANO PARACHUTE RECOVERY ANO FLOTATION SYSTEM.
AGM-83A	TEXAS INSTRUMENT & NWCCL	BULLDOG	1 LR58-RM-4	NAVY	AGM-12A MODIFIED AS AIR-TO-SURFACE, SEMI-ACTIVE MISSILE.
ATM-83A	NAVAL WEAPONS CENTER	BULLDOG	1 MK8 MOO 2	NAVY	TRAINING AGM-83A.
AGM-84A	MCDONNELL 00 UGLAS	HARPOON	1 XJ-402-CA-400	NAVY/AF	AIR-TO-SURFACE GUIDED MISSILE DESIGNED TO DESTROY SHIP TARGETS .

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
ATM-84A	MCDONNELL DOUG LAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING ZAGM-84A.
RGM-84A	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	AGM-84A MODIFIED FOR SHIPBOARD LAUNCH .
RTM-84A	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE RGM-84A.
UGM-84A	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	RGM-84A CONTAI NED IN CAPSULE DESIGNED FOR UNDERWATER LAUNCH TO ATTACK SURFACE TARGET.
UTM-84A	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE UGM-84A.
ZAGM-84A	MCOONNELL 00UGLAS	HARPOON	1 XJ-402-CA-400	NAVY	SURFACE-TO-SURFACE GUIDED MISSILE DESIGNED TO DESTROY LAND AND SEA TARGETS.
AGM-84B	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY/UK	AGM-84A MODIFIED FOR UNITED KINGDOM UNDERWATER LAUNCH AND ATTACK.
ATM-84B	MCDONNELL DOUG LAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE AGM-84B.
RGM-84B	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	RGM-84A MODIFIED FOR UNITED KINGDOM UNDERWATER LAUNCH ANO ATTACK.
RTM-84B	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE RGM-84B.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
UGM-84B	MCDONNELL DOUG LAS	HARPOON	1 XJ-402-CA-400	NAVY	UGM-84A MOOI FI EO FOR UNITED KINGDOM UNDERWATER LAUNCH AND ATTACK.
UTM-84B	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE UGM-84B.
AGM-84C	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	AGM-84A MODIFIED FOR LOWER ALTITUDE MI O-COURSE PROFILE ANO SEA SKIM TERMINAL TRAJECTORY.
ATM-84C	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE AGM-84C.
RGM-84C	MCDONNELL DOUG LAS	HARPOON	1 XJ-402-CA-400	NAVY	RGM-84A MODIFIED FOR LOWER ALTITUDE MI O-COURSE PROFILE AND SEA SKIM TERMINAL TRAJECTORY.
RTM-84C	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE RGM-84C.
UGM-84C	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	UGM-84A MODIFIED FOR LOWER ALTITUDE MID-COURSE PROFILE AND SEA SKIM TERMINAL TRAJECTORY.
UTM-84C	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE UGM-84C.
AGM-84D	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	AGM-84C MODIFIED FOR INCREASED RANGE, MID-COURSE WAY POINTS AND SELECTABLE (SEA SKIM/POP-UP) TERMINAL TRAJECTORY.
ATM-84D	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE AGM-84D.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RGM-84D	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	RGM-84C MODIFIED FOR INCREASED RANGE, MID-COURSE WAY POINTS AND SELECTABLE (SEA SKIM/POP-UP) TERMINAL TRAJECTORY .
RTM-84D	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE RGM-84D.
UGM-84D	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	UGM-84C MODIFIED FOR INCREASED RANGE, MID-COURSE WAY POINTS AND SELECTABLE (SEA SKIM/POP-UP) TERMINAL TRAJECTORY.
UTM-84D	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE UGM-84D.
CATM-84D	NAVAL ORDNANCE STAT 10N	HARPOON		NAVY	CAPTIVE CARRY INERT TRAINER FOR AGM-84D MISSILE.
NAEM-84D	NAVAL ORDNANCE STATION	HARPOON		NAVY	PERMANENT RECOVERABLE TELEMETRIC JETTISON TEST VEHICLE FOR AGM-84D.
AGM-84E	MCDONNELL DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	AIR-LAUNCHED STRIKE WEAPON FOR USE BY CARRIER AIRCRAFT AGAINST LAND TARGETS, SHIPS AT PORT, AND SHIPS AT SEA.
ATM-84 E	MCDONN EL L DOUGLAS	HARPOON	1 XJ-402-CA-400	NAVY	TRAINING VERSION OF THE AGM-84E.
DATM-84 E	NAVAL ORDNANCE STAT ION	HARPOON		NAVY	DUMMY INERT TRAINER FOR AGM-84E MISSILE.

MISSILE SERIES (CONTINUED)

DS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AEM-84E	NAVAL ORDNANCE STAT ION	HARPOON		NAVY	PERMANENT RECOVERABLE TELEMETRIC JETTISON TEST VEHICLE FOR AGM-84E.
RI M-85A	TBO	NONE		NAVY	MEDIUM RANGE, SURFACE-TO-AIR, ALL-WEATHER MISSILE FOR USE AGAINST ATTACK AI RCRFT, MISSI LES, ANO SURFACE TARGET.
GM-86B	BOEING	NONE	1 F-107-WR-100	AF	AI R- LAUNCHED, SUBSONIC, TERRAIN FOLLOWING, CRUISE MISSILE (ALCM) .
GM-86C	BOEING	NONE	1 F- 107-WR- 100	AF	AGM-86B NODI FI ED FOR CONVENTIONAL USE (ALCM) .
GM-87A	NAVAL WPNS CTR & GENERAL ELECTRIC	FOCUS I	1 MK17 MOD 5	NAVY	CLASSIFIED MISSILE.
AGM-88A	NAVAL WEAPONS CENTER	HARM	1 SR-113-TC-1	AF/NAVY	ANTI-RADIATION, HIGH VELOCITY, AIR-LAUNCHED, GUIDED MISSILE USED AGAINST SURFACE RADAR INSTALLATION.
ATM-88A	NAVAL WEAPONS CENTER	HARM	1 TSR-113 -TC-1	AF/NAVY	TRAINING AGM-88A.
CATM-88A	TEXAS INSTRUMENT	HARM	1 TSR-113 -TC-1	AF/NAVY	CAPTIVE, AIR TRAINING VERSION OF THE AGM-88A.
DATM-88A	TEXAS INSTRUMENT	HARM	1 TSR-113 -TC-1	AF/NAVY	MECHANICAL MODEL OF THE AGM-88A USEO FOR TRAINING LOADING CREWS.
AGM-88B	NAVAL WEAPONS CENTER	HARM	1 SR-113-TC-1	AF/NAVY	AGM-88A MOOI FI ED WITH IMPROVED TACT I CAL SOFTWARE, IMPROVED ELI NT SOFTWARE AND REPROGRAMMABLE MEMORY.

MISSILE SERIES (CONTINUED)

Mos	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
CATM-88B	TEXAS INSTRUMENT	HARM		AF/NAVY	CAPTIVE, AIR TRAINING VERSION OF THE AGM-88B.
DATM-88B	TEXAS INSTRUMENT	HARM	1 TSR-113 -TC-1	AF/NAVY	MECHANI CAL MODEL OF AGM-88B & AGM-88C- 1 USED FOR CREW TRAINING FOR REPROGRAMMING SIMULATION.
AGM-88C	TEXAS INSTRUMENT FORO AEROSPACE	HARM	1 SOLID	NAVY	IMPROVED GUIDANCE SECTION WITH NEW OPERATIONAL CAPABILITIES AGAINST THE LATEST THREATS.
CATM-88C	TEXAS INSTRUMENTS		1 TSR-113 -TC-1	AF/NAVY	CAPTIVE AIR TRAINING VERSION OF THE AIR-TO-SURFACE AGM-88C WITH INERT ROCKET MOTOR ANO WARHEAO.
ZBQM-90A	TBO	NONE		NAVY	REMOTELY CONTROLLED, HIGH ALTITUDE, SUPERSONIC, AERIAL TARGET .
AQM-91A	RYAN	NONE	1 J97	AF	NONE.
FIM-92A	GENERAL DYNAMI CS	STINGER		ARMY	PORTABLE, SHOULDER-FIRED WEAPON WITH MISSILE THAT USES INFRARED SEEKER AND ELECTRO-MECHANICAL GUIDANCE TO HOME ON LOW FLYING AIRCRAFT.
XFIM-92B	GENERAL DYNAMICS	STINGER		ARMY	PROTOTYPE UPGRAOE OF FI M-92A.
FIM-92C	GENERAL DYNAMICS	STINGER	1	ARMY	FIM-92A WITH UV SEEKER.
FIM-92D	GENERAL OYNAMICS	STINGER	1	ARMY	FIM-92C MOO I FI ED WITH IMPROVED COUNTERMEASURES.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
XGQM-93A	LTV ELECTRO SYST EMS	NON E	1 PT6A	AF	REMOTELY PILOTED VEHICLE.
YGQM-94A	BOEING	NONE	1 J97	AF	HIGH ALTITUDE, LONG ENDURANCE RPV FOR PHOTO/ELECTRONIC RECONNAISSANCE, TARGET IDENTIFICATION COMMUNICATION RELAY OR WEATHER SURVEILLANCE. PROTOTYPE.
YGQM-94B	BOEING	NON E	1 TF34-GE	AF	UPGRADED YGQM-94A.
AIM-95A	TBO	AGILE		NAVY	SHORT-RANGE, AIR-TO-AIR MISSILE FOR AERIAL COMBAT.
UGM-96A	LOCKHEED	TRIDENT		NAVY	LONG-RANGE SLBM.
XAIM-97A	TBD	NON E	1 MK27 MOD 4	AF	CLASSIFIED EXPERIMENT.
YGQM-98A	TELEDYNE RYAN	NONE	1 YF-104	AF	CLASSIFIED PROTOTYPE.
RIM-101A	TBO	NONE		NAVY	SURFACE-TO-AIR WEAPON FOR SHIPBOARD USE. LAUNCHEO FROM TUB BY SOLID PROPELLANT EJECTOR. PASSIVE I-BAND RF ANO PASSIVE IR GUI DANCE.
PQM-102A	GENERAL DYNAMICS	DELTA DAGGER	1 J57-P/ F-23/23A	AF	DRONE VERSION OF QF-102A.
PQM-102B	GENERAL DYNAMICS	DELTA DAGGER	1 J57-P/F-23/-23A P&W FORO	AF	DRONE VERSION OF QF-102B.
XAQM-103A	RYAN	NONE	1 T69-T-41A	AF	MODIFIED RYAN 147G HIGH ALTITUDE DRONE IN RPV TEST BED CONFIGURATION. AI R- LAUNCHED FROM DC-130 AND RECOVEREO BY MID AIR RETRIEVAL SYSTEM.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
MIM-104A	MART IN	PATRIOT	1 TX-486-1	ARMY	PRODUCT ION XMI M-1 04A.
XM1M-104A	USAMICOM	PATRIOT	1 TX-486-1	ARMY	AIR DEFENSE MISSILE/STORED IN LAUNCH TUBE.
MI M-104B	USAMICOM	PATRIOT	1 TX-486-1	ARMY	MIM-104A MODIFIED WITH IMPROVED CAPABILITY AGAINST STAND-OFF ANO SELF SCREENING JAMMERS.
MI M-104C	USAMICOM	PATR1OT	1 TX-486-1	ARMY	MI M-104B MODIFI ED WITH IMPROVED SYSTEMS CAPABILITY AGAINST TACTICAL BALLISTIC MISSILES.
M1M-104D	RAYTHEON	PATRIOT	1 TX-486-1	ARMY	MI M-104c MODIFIED TO PROVIDE IMPROVED DETECTION OF TARGETS WITH REDUCED CROSS SECTION AND ENHANCED LETHALITY.
YMQM- 105A	LOCKHEED	AQUI LA	1 DYAO 240-B	ARMY	SNALL, HYDRAULICALLY-LAUNCHED, DELTA WING PUSHER-PROPELLER-ORIVEN MISSLE. TARGET ACQUISITION THROUGH TELEVISION, LASER RANGE FINDER, AND LASER DESIGNATOR SENSORS. PROTOTYPE.
XBQM- 106A	DIGITAL DESIGN I NCORPORAT EO	NON E ‘	1 HERBRANSON DYAD220	AF	MODIFIED XBQM-106.
XNQM-106A	AF FLIGHT DYNAMICS LAB	NONE	1	AF	EXPERIMENTAL TACT I CAL RPV.
XBQM- 106B	AF FLIGHT DYNAMICS LAB	NONE	1 HERBRANSON DYAD220	AF	MODIFIED XBQM-1 06A.
XBQM-106c	AF FLIGHT DYNAMI CS LAB	NONE	1 H ERBRANSON DYAD220	AF	MODIFIED XBQM-106B.

MISSILE. SERIES [CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
MQM- 107A	USAMICOM	STREAKER	1 J402-CA-700	ARMY	REMOTELY CONTROLLED. VARIABLE SPEED, RECOVERABLE; GUNNERY TARGET ORONE. GROUND LAUNCH WITH JATO ASSIST.
MQM- 107B	USAMI COM	STREAKER	1 J402-CA-700	AF	AF VERSION OF MQM-107A.
MQM-107C	BEECH	STREAKER	1 J402-CA-700	AF	IMPROVED VERSION OF MQM-107A 'WITH PROVISIONS FOR MANEUVERING AUTOPILOT INSTALLATION.
MQM- 107D	USAMICOM	STREAKER	1 J402-CA-702	AF/ARMY	IMPROVED MQM-107B WITH LOWER COST ENGINES.
MQM-107E	USAMICOM	STREAKER	1 J402-CA-702	AF/ARMY	IMPROVED MQM-107C WITH LOWER COST ENGINES.
XBQM- 108A	TBD	NONE	1 CAEX J-402-CA-400	NAVY	VERTICAL TAKE-OFF ANO LANDING ORONE WITH LOW DELTA WI NG/CANARD. EXPERIMENTAL.
BGM-109A	GENERAL DYNAMICS	TOMAHAWK	1 F107-400	NAVY	GROUND LAUNCHED CRUISE MISSILE (GLCM) LANO ATTACK VERSION.
BGM-109B	GENERAL DYNAMICS	TOMAHAWK	1 F1 07-400	AF	ANTI-SHIP VERSION BGM-109A.
BGM-109C	GENERAL DYNAMICS	TOMAHAWK	1 F1 07-400	NAVY	BGM-109B CONFIGURE FOR GROUND LAUNCH AND USING AN/DSW-15(V) GUIDANCE SYSTEM.
RGM-109E	HUGHES	TOMAHAWK	1 J402-CA-401	NAVY	SHIP-LAUNCHED, CONVENTIONALLY WARHEADED, LAND ATTACK OR ANTI-SHIP WEAPON WITH A UNITARY WARHEAO (WDU-36/B).
UGM-109E	HUGHES	TOMAHAWK	1 J402-CA-401	NAVY	UNDERWATER LAUNCHED, CONVENTIONALLY WARHEADED, LANO ATTACK OR ANTI-SHIP WEAPON WITH A UNITARY WARHEAD (WDU-36/B).

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
BGM-109G	GENERAL DYNAMICS	GRIFFIN	1 F107-400	AF	AIR FORCE VERSION OF GLCM LAUNCHED FROM TRANSPORTER ERECTOR LAUNCH ER (TEL).
AGM-109H	GENERAL DYNAMICS	TOMAHAWK	1 J402-CA-401	AF	MEDIUM-RANGE, AIR-LAUNCHED, AIRFIELD ATTACK CRUISE MISSILE WITH CONVENTIONAL WARHEAO (TACTICAL AIRFIELD ATTACK MUNITIONS) .
RGM-109H	HUGHES	TOMAHAWK	1 J402-CA-401	NAVY	SHI P-LAUNCHED, CONVENTIONALLY WARHEAOEO, LAND ATTACK OR ANTI -SHIP WEAPON WITH A TOMAHAWK HARO TARGET PEN ETRATOR WARH EAO.
UGM-109H	HUGHES	TOMAHAWK	1 J402-CA-401	NAVY	UNDERWATER LAUNCH EO, CONVENTIONALLY WARH EADED, LAND ATTACK OR ANTI-SHIP WEAPON WITH A TOMAHAWK HARD TARGET PENETRATOR WARHEAD.
AGM-109K	GENERAL DYNAMICS	TOMAHAWK	1 J402-CA-401	AF	MEDI UM-RANGE, AI R-LAUNCH ED, LANO ATTACK ANO SEALANE CONTROL CRUISE MISSILE WITH CONVENTIONAL WARHEAO (WDU-25A/B) .
AGM-109L	GENERAL DYNAMICS	TOMAHAWK	1 J402-CA-4401	NAVY	MEDIUM-RANGE, AI R- LAUNCHED, LAND/SEA ATTACK CRUISE MISS I LE WITH CONVENT IONAL WARHEAD (WDU-7B) ,
XRIM-113A	NAVAL SURFACE WPNS CENTER	NONE		NAVY	ANTI-CRUISE MISSILE SURFACE-TO-AIR OEFENSE (EXPERIMENTAL) .
AGM-1 14A	ROCKWELL	HELLFIRE	1 TX-657	ARMY	HELICOPTER- LAUNCHEO ANTI-ARMOR MISS I LE EQUIPPED WITH TERMINAL HOMING SEEKER ANO SHAPED CHARGEO WARHEAD.
YAGM-1 14A	ROCKWELL	HELLFIRE	1 TX-657	ARMY	PROTOTYPE AGM-1 14A,

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
AGM-114B	ROCKWELL	HELLFIRE	1 13202500	NAVY /MARN	HELICOPTER-LAUNCHED HEAT MISSILE EQUIPPED WITH TERMINAL HOMING/GUIDANCE PROVIDED BY THREE DIFFERENT SEEKER MODULES. MINIMUM SMOKE MOTOR. SAFE ARM DEVICE.
YAGM- 114B	ROCKWELL	HELLFIRE	1 T773-3	NAVY	NAVY VERSION OF AGM-114A. MODIFICATION INCLUDES SAFE ARMING DEVICE (SAD).
AGM-114C	ROCKWELL	HELLFIRE	1 Ml 20E1	ARMY	SAME AS AGM-114B, EXCEPT NO SAFE ARM DEVICE.
AGM-1 140	USAMI COM	HELLFIRE	1 M120E1	ARMY	AGM-114C MODIFIED WITH DIGITAL AUTOPILOT.
AGM-114E	USAMI COM	HELLFIRE	1 T773-3	NAVY	AGM-114B MODIFIED WITH DIGITAL AUTOPILOT.
AGM-114F	ROCKWELL	HELLFIRE	1 M120E1	ARMY	AGM-114C MODIFIED TO INCLUDE ENHANCED WARHEAD FOR PENETRATION OF ARMORED TARGETS WITH REACTIVE ARMOR.
AGM-1 14G	ROCKWELL	HELLFIRE	1 T773-3	ARMY	AGM-114B MODIFIED TO INCLUDE ENHANCED WARHEAD FOR PENETRATION OF ARMORED TARGETS WITH REACTIVE ARMOR. ALSO INCLUDES SAFE ARM DEVICE.
AGM-114H	ROCKWELL	HELLFIRE	1 M120E1	ARMY	AGM-114F MODIFIED BY REPLACING CURRENT ANALOG AUTOPILOT WITH REPROGRAMMABLE DIGITAL GUIDANCE SUBSYSTEM.
AGM- 1 14J	PARTIN MARIETTA	HELLFIRE		ARMY	ARMY VARIANT OF HELLFIRE MISSILE SYSTEM. MODS INCLUDE IMPROVEMENTS TO GUIDANCE, PROPULSION, WARHEAD, ANO CONTROL SECTIONS, SPECIAL FEATURES INCLUDE TRIPLE WARHEAD WITH ELECTRONIC ARM/FIRE AND COUNTERMEASURES HARDENED SEEKER.
AGM-114K	MART IN MARIETTA	HELLFIRE		NAVY	NAVY VARIANT OF HELLFIRE MISSILE SYSTEM. AGM-114J WITH SAFE/ARM FEATURE FOR ROCKET MOTOR.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	EN≤ NE DATA	DEPARTMENT	DESCRIPTION
AGM-114L	MARTIN MARIETTA WESTINGHOUSE	HELLFIRE		ARMY	AGM-114H MODIFIED WITH A FIRE AND FORGET SENSOR.
XMIM-115A	USAMICOM	US ROLAND		ARMY	ALL-WEATHER, AERODYNAMICALLY MANEUVERABLE, COMMAND-TO-LINE-OF-SIGHT, GUIDED MISSILE. OPTICALLY OR RADAR TRACKED. EXPERIMENTAL.
XRIM-116A	RA	NONE		NAVY	EXPERIMENTAL SURFACE-TO-AIR MISSILE FOR ANTI-SHIP MISSILE DEFENSE.
XRTM-116A	GENERAL DYNAMICS	NONE	1 EX 1 MOD 0	NAVY	TRAINING VERSION OF THE XRIM-116A MISSILE.
FQM-117A		NONE	1 0.61	ARMY	USED FOR TARGET TRAINING.
FQM-117B	RS SYSTEMS	NONE	1 0.61	ARMY	ONE-NINTH SCALE TARGET OF A SOVIET MIG-27.
FQM-117C	RS SYSTEMS	NONE	1 0.61	ARMY	ONE-NINTH SCALE TARGET OF AN F-16.
LGM-118A	MARTIN MARIETTA	PEACEKEEPER	4 3 SOLID 1 LIQUID	AF	ICBM WITH MIRV WARHEAD. FORMERLY KNOWN AS MX.
MGM-118A	MARTIN MARIETTA	PEACEKEEPER	4 3 SOLID 1 LIQUID	AF	MOBILE LAUNCHED VERSION OF THE PEACEKEEPER TRANSPORTED AND STORED ON TRAINS.
AGM-119A	KONGSBERG NORWAY	PENGUIN	1 P/N 38441507	AF/NATO	REPROGRAMMED TRAJECTORY MISSILE WITH PASSIVE IR SEEKER GUIDANCE.
AGM-119B	NORSK FORSVARSTEKNOLOG	PENGUIN	1 SOLID	NAVY	AGM-119A MODIFIED WITH DIFFERENT WARHEAD, FUZE, FUZE BOOSTER, ROCKET MOTOR USED FOR HELICOPTER LAUNCHING.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
CATM-119B	NAVSURUARCENOIV INDIAN HEAD	PENGUIN	1 BALLASTED DUMMY	NAVY	CAPTIVE CARRY INERT TRAINING VERSION OF THE AGM-119B.
AI M-1 20A	HUGHES	NONE	1	AF/ NAVY	ADVANCED MEDIUM-RANGE AIR-TO-AIR MISSILE (AMRAAM) USED ON FIGHTER AIRCRAFT FOR BEYOND VISUAL RANGE COMBAT.
CATM-1 20A	HUGH ES	NONE		AF/NAVY	LOAO TRAINING CAPTIVE CARRY VERSION OF AIM-120A.
DATM- 120A	HUGHES	NONE		AF/NAVY	EOD TRAINING VERSION OF AIM-120A.
YAIM-120A	HUGHES	NONE	1	AF/NAVY	PROTOTYPE AI M-1 20A.
AIM-120B	HUGHES/ RAYTHEON	NONE	1 SOLID ROCKET	AF/NAVY	IMPROVED VERSION OF AIM-120A.
CATM-120B	HUGHES	NONE	N/A	AF/NAVY	INERT VERSION OF AIM-120B FOR LOADING AND CAPTIVE CARRY TRAINING.
AIM-120C	HUGHES/ RAYTHEON	NONE	1 SOLID ROCKET	AF/NAVY	COMPRESSED CARRIAGE VERSION OF AIM-120B.
CATM-120C	HUGHES	NONE	N/A	AF/NAVY	INERT VERSION OF AI M-120C FOR LOADING AND CAPTIVE CARRY TRAINING.
YCQM-121A	BOEING	NONE	1 CUYUNA EAGLE 2 CYCLE RECIP	AF	SINGLE, SURFACE-TO-SURFACE, MEDIUM RANGE, ATTACK MISSILE.
YCGM- 121 B	BOEING	NONE	2 CYCLE/28 H.P.	AF	PROTOTYPE MINI -DRONE, EMITTER ATTACK, AUTONOMOUS WEAPON SYSTEM FOR THE SUPPRESSION OF ENEMY AIR OEFENSES.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
AGM-1 22A	NAVAL WEAPONS CENT ER	NONE	1 MK-36 MOD II	NAVY	AIR-TO-SURFACE MISSILE DES IGNED TO ATTACK ENEMY RADAR DIRECTED AIR OEFENSE SYSTEM.
ATM- I 22A	NAVAL WEAPON STN SEAL BEACH	NONE	1 MK36 MOD12	USMC	AIR-TO-GROUND MISSILE USED IN FLEET WEAPON TRAINING EXERCISES.
CATM-122A	MOTOROLA INC.	NONE	NONE	NAVY	AIR TRAINING VERSION OF THE AGM-122A.
AGM-122B	TBD	NONE	1 MK36 MOO 8/MOD 10	NV/MC	AGM-122A WITH A NEWLY OEVELOPEO GUI OANCE CONTROL SYSTEM WHICH INCORPORATES ELECTRICALLY ERAS EABLE PROGRAMMABLE REAO ONLY MEMORY BOARDS.
CATM- 1226	TBD	NONE		USMC	CAPTIVE AIR TRAINING VERSION OF THE AGM-122B.
AGM- 123A	NAVAL WEAPONS CENTER	NON E	1 WPU-5/B	NAVY	LASER GUIDED MISSILE.
AGM-123B	TEXAS INSTRUMENT	NONE	1 WPU-5/B	NAVY	LASER GUIDED AIR-TO-SURFACE MISS I LE.
AGM-124A	HUGHES	NONE	1	AF	ANT IARMOR AIR-TO-SURFACE MISSILE.
RUM-125A	BOEING	NONE	1 EX116 MOD O	NAVY	SHIP LAUNCHEO UTILITY MISSILE WITH NUCLEAR OEPTH BOMB PAYLOAO CAPABILITY.
UUM- 125A	BOEING	NONE	1 EX116 MOD O	NAVY	ANTISUBMARINE WARFARE STANDOFF WEAPON (ASWSOW) WITH PAYLOAD CAPABILITY FOR AOVANCE LIGHTWEIGHT TORPEDO (ALWT) OR NUCLEAR DEPTH BOMB (NOB).

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
RUM-1 25B	BOEING	NON E	1 EX116 Moo o	NAVY	SHIP LAUNCHED UTILITY MISSILE WITH MK50 TORPEOO PAYLOAD CAPABILITY.
UUM-125B	BOEING	NONE	1 EX116 MOO O	NAVY	SUBMARINE LAUNCHED UTILITY MISSILE WITH MK-50 TORPEDO PAYLOAD CAPABILITY.
BGM-126A	BEECH	NON E	1 TRI 60-3/097 TURBOJET	NAVY	TARGET WHICH PROVIDES A COMPLETE GROUND AND AIR LAUNCHED VARIABLE SPEED TARGET MISSILE SYSTEM.
YBQM-126A	TBO	NONE	1 TBD (TURBOJECT)	NAVY	SUPERSONIC SUBSCALE TARGET WITH SURFACE OR TACT I CAL AIRCRAFT LAUNCH CAPABILITY.
YAQM- 127A	TBO	NON E	1 TBD	NAVY	SUPERSONIC LOW ALTITUDE MISSILE TARGET (DRONE).
YAQM-1 28A	TBD	NONE	1 TBD	NAVY	AIR-LAUNCHED, NONRECOVERABLE SUPERSONIC SUBSCALE AERIAL TARGET .
AGM- 129A	GENERAL DYNAMICS	NONE	1 F112-WR-100	AF	AOVANCED CRUISE MISSILE (ACM).
AGM- 129B	GENERAL DYNAMICS CONVAIR OIV	NONE	1 AXIAL FLOW TURBOFAN	AF	AGM- 129A MODIFIED WITH STRUCTURAL AND SOFTWARE CHANGES AND AN ALTERNATE NUCLEAR WARHEAD FOR ACCOMPLISHING A CLASSIFIED CRUISE MISSILE MISSION.
AGM-130A	ROCKWELL	NONE	1 WPU-9/B	AF	ROCKET BOOSTED HARD TARGET ATTACK VERSION OF GBU-15 WEAPON (TV GUIDED) .
CATM-130A	ROCKWELL	NONE		AF	TRAINING VERSION OF AGM-130A DESIGNED FOR CAPTIVE/CARRY FLIGHT.

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
DATM-1 30A	ROCKWELL	NON E		AF	TRAINING VERSION OF AGM-130A DESIGNED FOR LANO CREW ANO EXPLOSIVE ORDNANCE DISPOSAL TRAINING.
AGM- 30B	ROCKWELL	NONE	1 WPU-9/B	AF	ROCKET BOOSTED HARD TARGET ATTACK VERSION OF GBU- 15 WEAPON (TV GUIDED) .
AGM- 30C	ROCKWELL	NONE	1 WPU-9/B	AF	AGM-130A WITH IMPROVED HARDENED TARGET PENETRATION CAPABILITY.
AGM-131A	BOEING	NONE	NONE	AF	AIR-TO-SURFACE MISSILE CAPABLE OF PENETRATING TARGETS BY USING VARICUS APPROACH TRAJECTORIES AND VELOCITIES (SRAM II).
XAGM-131 A	TBD	NON E	1 TBO	AF	UNKNOWN - FOR OFFICIAL USE ONLY.
AGM-131B	BOEING	NONE		AF	TACTICAL VERSION OF THE SRAM II. AGM-131A WILL BE CARRIED ON B-52′ s, B-1'S, AND B-2'S. AGM-131B WILL BE CARRIED ON F-15E'S.
YAIM-132A	GERMANY ENGLAND	NONE	1 SOLID FUEL ROCKET MOTOR	AF	SHORT-RANGE AIR-TO-AIR MISSILE DESIGNED TO BE EFFECTIVE AGAINST A WIDE VARIETY OF TARGETS. MANUFACTURED BY BOOENSEEWERK GERAETETECHNIK INC. & BRITISH AEROSPACE DYNAMICS INC.
UGM-133A	LOCKHEEO	TRIDENT I I	3 SOLID FUEL ROCKET	NAVY	TRIDENT 11 MISSILE CAPABLE OF DELIVERING MULTIPLE WARHEADS TO SELECTED TARGET.
XMGM-1 34A	TBD	NONE	3 TBO	AF	SMALL ICBM THREE SOLID STAGE USING ADVANCED PEACEKEEPER INERTIAL GUIDANCE AND CONTROL SYSTEM.

MISSILE SERIES (CONTINUED)

MOS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
ASM-135A	BOEING! LTV AEROSPACE	NON E	2 ONE XSR-75-LP-1 ONE ALTAIR 20B	AF	AIR-LAUNCHED ANTI SATELLITE MISSILE WITH INFRARED-SEEKING HYPERKINETIC VELOCITY WARHEAD.
CASM-135A	BOEING/ LTV AEROSPACE	NONE	2 ONE XSR-75-LP-1 ONE ALTAIR 20B	AF	CAPTIVE CARRY VERSION OF ASM-135A WITH WARHEAD SIMULATOR AND INERT MOTORS.
AGM-136A	NORTHROP	NONE		AF	UNMANNED AIR VEHICLE SYSTEM FOR AUTONOMOUS ATTACK OF SELECTED EMITTING SYSTEMS.
ATM-136A	NORTHROP	NONE		AF	APPEARANCE OF A STANDARD, FULL SIZE AGM-136A, EXCEPT FOR SEE-THRU PANELS FOR PYRO VIEWING LOCATIONS.
OATH-136A	NORTHROP	NONE		AF	DUMMY AGM-136A USED FOR TRAINING,
BGM-136B	TBO	NONE		AF	GROUND-LAUNCHED VERSION OF THE AGM-136A.
AGM-1 37A	NORTHROP	NON E	1 F122-WR-1OO	AF/NAVY	LOW-OBSERVABLE STAND-OFF CONVENTIONAL CRUISE MISSILE.
MGM-137B	NORTHROP	NONE	1 F122-WR-100	ARMY	GROUND LAUNCHED LOW-OBSERVABLE STAND-OFF CONVENTIONAL CRUISE MISSILE.
YCEM-138A	BOEING	NON E	1	AF	UNMANNED GROUNO-LAUNCHED AUTONOMOUS MINI-DRONE WEAPON PROTOTYPE EQUIPPED WITH A RADAR JAMMING PAYLOAD CAPABLE OF DISRUPTING AIR DEFENSE ACQUISITION RADARS.
RTM-139A	LORAL DEFENSE SYSTEMS	NONE	1 MK 114 MOD O	NAVY	SHIP-LAUNCHED TRAINING MISSILE FOR THE RUM-139A,
RUM- 139A	LORAL SYSTEMS GROUP	NONE	1 EX-114 MOD O	NAVY	ALL WEATHER, QUICK REACTION ANTISUBMARINE WARFARE MISSILE DESIGNED TO BE VERTICALLY LAUNCHED FROM SURFACE SHIPS.

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
DRUM- 139A	LORAL OEFENSE SYSTEMS	NONE	1 MK-114 MOD O	NAVY	DUMMY MI SS1 LE USEO TO PROVI OE HANDS-ON LABORATORY TRAINING FOR THE RUM-1 39A.
MGM-140A	USAMI COM	NON E		ARMY	MOBILE LAUNCHED GROUND ATTACK MISSILE WITH INERTIAL GUIDANCE SYSTEM.
MGM-140B	LORAL/VOUGHT		1 M-124		MGM-140A MODIFIED FOR SELF GUI DANCE USING A GPS NAVIGATION SYSTEM, DISPENSES BOMBLETS AT A PREDETERMINED LOCATION.
ADM-141A	BRUNSWICK DEFENSE CORP	NONE		NAVY	AIR LAUNCHED DECOY WITH PASSIVE RADAR REFLECTOR USEO TO CREATE A FALSE RAOAR IMAGE.
ADM-141B	BRUNSWICK DEFENSE CORP	NONE		NAVY	AIR LAUNCHED DECOY WHICH DISPENSES CHAFF TO CREATE A FALSE RADAR IMAGE.
ADM-141C	BRUNSWICK/ ISRAELI MILITARY		1 TELEDYNE CAE 312 GAS TURBINE	NAVY	ADM-141A MODIFIED WITH TURBOJET PROPULSION AND GROUND CLEARANCE CAPABILITY.
AGM-142A	RAFAEL	NONE	1	AF	ROCKET POWERED AIR-TO-SURFACE GUIDED MISSILE INTENDED TO ATTACK FIXED/MOBILE, HIGH VALUE SOFT TARGETS (HAVE NAP).
ATM-142A	RAFAEL	NONE		AF	TRAINING VERSION OF AGM-142A (HAVE NAP).
CATM-142A	RAFAEL	NON E		AF	TRAINING VERSION OF THE AGM-142A, DESIGNED FOR CAPTIVE CARRY (HAVE NAP).
OATH-142A	RAFAEL	NONE		AF	DUMMY VERSION OF AGM-142A USEO FOR GROUND MAINTENANCE TRAINING (HAVE NAP).

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
AGM-142B	RAFAEL	NON E	1 WPU-14/B	AF	AGM-142A EQUIPPED WITH I IR SEEKER AND BLAST/FRAGMENTATION WARHEAD (HAVE NAP).
AGM-142C	RAFAEL	NONE	1 WPU-14/B	AF	AGM-142A EQUIPPED WITH TV SEEKER AND PENETRATOR WARHEAO (HAVE NAP) .
AGM-142D	RAFAEL	NONE	1 WPU-14/B	AF	AGM-142A EQUIPPED WITH I IR SEEKER AND PEN ETRATOR WARHEAD (HAVE NAP) .
MQM- 143A	USAMICOM	NON E		ARMY	ONE-FIFTH SCALE DRONE OF A SOVIET MIG-27.
BQM-145A	TELEDYNE RYAN	PEREGRINE	1 CAE 382-10	AF/NAVY	RECONNAISSANCE DRONE CAPABLE OF FLYING PREPROGRAMMED OR DYNAMIC MISSION PROFILES UP TO 350 NAUTICAL MILES FROM LAUNCH POI NT.
MI M-146A	MARTIN MARIETTA	NON E		ARMY	SUPERSONIC, LASER BEAM RIDER MISSILE USED TO ATTACK LOW-FLYING FIXED WING, AND UNMANNED AIRBORNE VEHICLES.
DMTM-1 46A	MARTIN MARIETTA	NONE		ARMY	DUMMY TRAINING VERSION OF MI M-146A.
BQM-1 47A	RPV INDUSTRIES	NONE	1 5.8 CU IN. SACHS DOLMER 2 CYCLE	NAVY/MAR	REMOTELY/AUTOMATICALLY PILOTED VEHICLE CAPABLE OF SPEEDS OF 48-100 MILES PER HOUR WHILE CARRYING A 25 POUND PAY LOAO.
FGM-148A	TEXAS INSTRUMENT MARTIN MARIETTA	NONE	1 ROCKET MOTOR	ARMY	MANPORTABLE ANTITANK WEAPON SYSTEM.
YPQM- 149A	TBO	TBO	TBD	ARMY/NAVY	UNMANNED SHORT RANGE VEHICLE USED FOR RECONNAISSANCE, SURVEILLANCE, TARGET ACQUISITION.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
YPQM-150A	TBD	TBD	TBD	ARMY/NAVY	UNMANNED SHORT RANGE VEHICLE USEO FOR RECONNAISSANCE, SURVEILLANCE, TARGET ACQUISITION.
FQM-151A	AERO VIRONMENT	NONE	1 300 WATT ELECTRIC MOTOR	NAVY/MAR	INDIVIDUALLY-LAUNCHEO ORONE USED FOR RECONNAISSANCE ANO TARGET ACQUISITION. ELECTRICALLY POWERED AIR VEHICLE CONSTRUCTED OF COMPOSITE MATERIALS.
YAIM-152A	TBD	NONE	TBO	NAVY	HIGH ENERGY AI R- LAUNCHED PROTOTYPE MISSILE USED FOR INTERDICTION.
AGM-154A	TEXAS INSTRUMENT	TBD		AF/NAV/MA	JOINT STANDOFF WEAPON (JSOW). AIR-TO-GROUND WEAPON DESIGNED TO ATTACK A VARIETY OF TARGETS DURING DAY, NIGHT, OR ADVERSE WEATHER CONDITIONS.
AGM-154B	TEXAS INSTRUMENT	TBD		NAV/AF/MA	JSOW VARIANT WITH GUIDANCE SYSTEM, BLU-108/B DISPENSE SYSTEM, DEPLOYABLE WINGS, CONTROLLABLE AND FIXED FINS, AND AN ALL-UP-AROUND PRIMARY COMPUTER.
AGM-154C	TEXAS INSTRUMENT	TBD		NAVY/MAR	JSOW VARIANT WITH GUIDANCE SYSTEM, SEEKER, UNITARY WARHEAD, MAN-IN-THE-LOOP OATA LINK, DEPLOYABLE WINGS, CONTROLLABLE ANO FIXED FINS, AND AN ALL-UP-AROUND PRIMARY COMPUTER. NOT A DISPENSER.
BQM-155A	TRW/ IAI	NONE	2 MOTO GUZZI V75	ARMY I MAR	UNMANNED AIR VEHICLE USED FOR RECONNAISSANCE, SURVEILLANCE, TARGET ACQUISITION TO 150 KILOMETERS BEYOND FORWARO LINE OF GUN TROOPS.
RIM-156A	RAYTHEON/HUGHES	NONE	1	NAVY	VERTICALLY LAUNCHED SURFACE-TO-AIR AND SURFACE-TO-SURFACE GUIDED MISSILE. MID-COURSE COMMAND GUIDANCE AND TERMINAL ACTIVE OR PASSIVE HOMING.

MISSILE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
YMGM-157A	TBD	NONE	TBD	ARMY	TACTICAL MISSILE UTILIZING A FIBER OPTIC OATA LINK TO ENGAGE AND DEFEAT HIGH VALUE GROUND TARGETS.

PROBE SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
PWN-8B	SPACE DATA CORPORATION	NONE	1 SR-71-AD-1	AF	ROCKET BORNE SYSTEM TO CARRY METEOROLOGICAL SOUNDING INSTRUMENTS ALOFT.
PWN-10A	SPACE DATA CORPORATION	NONE	1 SR-110-A0-1	AF	ROCKETBORNE METEOROLOGICAL SOUNDING SYSTEM, CARRIES TRANSPONDER SOUNDING INSTRUMENT TO 240,000 FT WHICH TRANSMITS ATMOSPHERIC DATA WHILE RETURNING TO EARTH BY PARACHUTE.
FWN-10B	SPACE DATA CORPORATION	NONE	1 SR-110-AD-1	AF	MODIFIED PWN-10A. RANGING RECEIVER NOT INCLUDED IN TELEMETRY PAY LOAO.
PWN-11A	SPACE DATA CORPORATION	NONE	1 SR-110-AD-1	AF	ROCKETBORNE SYSTEM USED TO CARRY ATMOSPHERIC STUDY INSTRUMENTS TO 240,000 FT. INSTRUMENT TRANSMITS ATMOSPHERIC DATA WHILE RETURNING TO EARTH BY PARACHUTE.
PWN-12A	SPACE DATA CORPORATION	NON E AERO OYNE CORP.	1 SR-110-AD-1	AF	ROCKETBORNE METEOROLOGICAL SOUNDING SYSTEM USED TO CARRY BALLON RAOAR TARGET ML-568/AM TO 300,000 FT. PAYLOAO INFLATES, DESCENDS, ANO IS TRACKED BY RADAR TO PROVIDE ATMOSPHERIC DENSITY DATA.

ROCKET SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
MGR-1 A	EMERSON/ DOUGLAS	HONEST JOHN		ARMY	FREE FLIGHT, SOLID PROPELLANT, FIELD ARTILLERY ROCKET (762 MM) .
MGR-1 B	MCOONN EL L DOUGLAS	HONEST JOHN		ARMY	UPGRADED MGR-1 A.
ATR-2A	MCDONNELL DOUGLAS	GENIE		AF	NONE.
AIR-2B	MCOONNELL DOUG LAS	GENIE	1 SR-49-TC-1	AF	UNGUIDED AIR-TO-AIR ROCKET OETONATED BY LAUNCHING AIRCRAFT.
RUR-4A	TBO	WEAPON ALPHA		NAVY	NONE .
RUR-5A	TBD	ASROC		NAVY	NONE.
RUR-5B	MULTI- MANUFACTURER	ASROC	1 SOLID PROPELLANT GRAIN	NAVY	MODIFIED RUR-5.
RUR-5C	MULTI- MANUFACTURER	ASROC	1 SOLID PROPELLANT GRAIN	NAVY	MODIFIED RUR-5.
RUR-5D	MULTI - MANUFACTURER	ASROC	1 SOLID PROPELLANT GRAIN	NAVY	MODIFIED RUR-5.
RUR-5E	MULTI - MANUFACTURER	ASROC	1 SOLID PROPELLANT GRAIN	NAVY	MODIFIED RUR-5.
RUR-5F	MULTI- MANUFACTURER	ASROC	1 SOLID PROPELLANT GRAIN	NAVY	RUR-5A MODIFIED TO UTILIZE NEW SAFETY DEVICES AND SHIELDED CABLE ASSEMBLIES.

MDS	MANUFACTURER	POPULAR NAME	ENGINE OATA	DEPARTMENT	DESCRIPTION
ADR-8A	REVERE COPPER AND BRASS	NONE		AF	NONE.
XAGR- 14A	TBD	ZAP		NAVY	NONE.
MTR- 15A	USAMI COM	NON E	3 MK40 MOD 3	ARMY	TARGET ROCKET VEHICLE FOR TRAINING IN DEFENSE AGAINST AIRCRAFT/MISSILE ATTACK.
MQR- 16A	TBD	NONE		NAVY	AERIAL TARGET WITH INFRARED AUGMENTATION THAT SIMULATES REOEYE BALLISTIC FLIGHT PROFILE.
XFGR-17A	GENERAL DYNAMICS	VIPER	1 5774669	ARMY	PORTABLE, SHOULDER FIRED, UNGUIDED ROCKET USED AS LIGHT TANK WEAPONS .
DGTR- 18A	NAVAL ORDNANCE STATION	SMOKEY SAM		NAVY	INERT TRAINING ROCKET USED AS SUBSTITUTE FOR LIVE ROCKET UNITS DURING MAINTENANCE AND OPERATIONAL TRAINING.

SATELLITE SERIES

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
WS-1 A	GENERAL ELECTRIC	DMSP SD-2		DOD	METEOROLOGICAL SATELLITE.
WS-1 B	GENERAL ELECTRIC	DMSP 50-3		000	MODIFIED WS-1A.
WS-2A	TBD	DMSP 6		000	t4ETEOROLOGICAL SATELLITE.
LS-3A	TRW/AESC	OSP		DOD	DEFENSE SUPPORT SYSTEM SATELLITE.
LS-3B	TRW/AESC	DSP-1		DOD	MOOI FI ED LS-3A.
ES-4A	TRW	DSCS I I		DOO	DEFENSE SATELLITE COMMUNICATION SYSTEM (DSCS II), COMMUNICATION SATELLITE USED FOR C3.
Es-5A	GENERAL ELECTRIC	DSCS III		DOO	OEFENSE SATELLITE COMMUNICATION SYSTEM (DSCS III), COMMUNICATION SATELLITE USED FOR C3.
LS-6A	TBD	BSTS		DOD	BOOST SURVEILLANCE ANO TRACKING SYSTEM SATELLITE.
NS-7A	ROCKWELL	GPS I		000	NAVSTAR GLOBAL POSITIONING SYSTEM SATELLITE USEO FOR NAVIGATION.
NS-7B	ROCKWELL	GPS 11		000	MODI FIED NS-7A.
NS-7C	ROCKWELL	GPS 11A		DOD	MODI FI EO NS-7B.
NS-7D	ROCKWELL	GPS IIR		DOO	MODIFIED NS-7C.

SATELLITE SERIES (CONTINUED)

MDS	MANUFACTURER	POPULAR NAME	ENGINE DATA	DEPARTMENT	DESCRIPTION
Es-8A	LOCKHEED	MI LSTAR		DOD	COMMUNICATIONS SATELLITE USED FOR C3.